

RECORD COURSES AS FLOWN ON THE ATC-610J, 610K, 112H FLIGHT SIMULATORS...

The easy-to-use ATC Flight Plotter provides a precise, permanent visual record of the simulator pilot's flight path. This plotter accurately traces the course flown on standard ATC enroute charts or approach plates as used with ATC-610 or 112H systems.

Student, pilot or instructor can review the flight plot to see if any mistakes were made, and where. Navigation and approach procedures are refined because of the improved visualization of flight assignments . . . at the end of the flight or even during the exercise. Flight simulator and Flight Plotter can be placed into the HOLD MODE in the middle of a flight to review the ground track. Errors are clearly seen, with immediate correction that results in accelerated training response and greater pilot confidence.

Speed and location of the Flight Plotter's pen correspond exactly to the speed and location of the flight being simulated. All flight influences such as headwinds, tailwinds and drift are incorporated into the record.

Enroute navigational proficiency — or shortcomings — in reference to airways, VOR's and DME arcs is clearly revealed. Subsequent flights and the improvement shown becomes a matter of record rather than subjective judgement. Students are encouraged by improved proficiency by comparing records from early to later flights.

Instrument approaches are tracked with the same precision as enroute courses, showing the pilot's degree of competence in flying holding patterns, intercepting and tracking localizers, go-arounds and back course approaches. If the pilot does everything "right," it's recorded for his satisfaction — if he "misses," the plotter will inexorably record it to the benefit of his future skills. And, charts can be retained for submission to the FAA as part of its licensing requirements.

The Flight Plotter provides long, reliable application for owners of individual personal simulators, to flight schools, or educational institutions. It can be plugged into any ATC-610 or 112H simulator, moved from unit-to-unit if desired. Its tracking pen uses easily inserted ink cartridges, available in a variety of colors. Supplies of the ATC Series 3 and Series 2A enroute plotting charts and approach plates can be obtained from ATC or its dealer/distributors.



Features to Note:

- The visual record of enroute flights and approaches provides means for immediate evaluation . . . a picture worth a thousand words
- Instructors readily monitor student's in-progress flight for analysis, real-time critique on course, ETA progression
- Encourages users by giving visible evidence of improvement in navigation skills, provides a running history of progress
- Eliminates any doubt on whether a flight plan was properly executed, helps keep that sharp edge of proficiency
- Makes it easy to practice "find yourself" procedures . . . lets pilot know if he is where he thinks he is
- Make competitive flights, compare skills with others using same chart, different recording pen colors
- Select recording scales . . . standard 5 nm per inch for enroute work, expanded 2.5 nm per inch for precision approach procedures
- Navigational errors as small as one degree (1°) are readily seen on the 2.5 nm per inch scale
- Provides "self-seeking, self-locating" airport start selection . . . setting desired tower frequency places simulator and plotter pen at the required airport . . . instantly, automatically
- Portable, transfers from one ATC-610 or 112H simulator to another at home or office . . . just plug it in!
- Qualify *all simulator time* towards FAA Part 141 when used with an enclosed ATC Flight Simulator

Students and experienced pilots alike report that the Flight Plotter adds whole new, exciting dimensions to flying the ATC simulators, both the 610 fixed-wing and 112H rotary aircraft units.

Physical Aspects	Width	Height	Depth	Weight
Flight Plotter	19" (48.3 cm)	6" (15.2 cm)	14" (35.6 cm)	14 lb (6.35 kg)

DYNAMIC VISUAL DISPLAY IMPROVES FLIGHT TRAINING



ATC's Visual Reference/Aircraft Model accessory provides dynamic display of the effects of control movements and other parameters on the attitudes of an actual aircraft in flight. It can be readily added to any Personal Flight Simulator in the ATC-510 or 610 series.*

Visual reference is given by a panoramic land/sky illustration, with a clearly discerned horizon. This color panorama is either fixed to a wall behind an "open" simulator, or within the enclosure of an ATC-610K simulator.

Attitude of the aircraft as flown is clearly observed by means of a model aircraft that's dynamically linked to the simulator through servo-mechanisms. The model faithfully duplicates all of the pitch and roll movements of an actual aircraft in flight . . . even the "shudder" of turbulence. Response is in exact accord with the pilot's inputs to the simulator through the control wheel, rudder pedals, flaps, throttle, etc.

This Visual Reference System is a valuable aid to advanced pilots as well as new or low flight time students in relating instrument indications to actual attitudes. Users see how a too-shallow bank makes the aircraft slip in a turn. How flaps cause the nose to pitch up, how landing gear extension on an ATC-610 makes it pitch down. And what proper climb and descent angles look like.

The complete Visual Reference System meets FAA Part 141 approval for flight simulator time logged to achieve the Private Pilot license or the Commercial rating. It's a plug-in installation with complete instructions included in the kit. This option may be obtained, of course, as an original equipment accessory with the appropriate ATC Flight Simulators.

*Excluding ATC-510A



Highlights Include . . .

- Dynamic visualization of control wheel, rudder pedal and throttle effects on aircraft attitude
- Valuable aid in making the transition from VFR to IFR flight
- Model makes full traverse through it's servo-mechanism . . . rolls 360°, pitches 70° from horizontal, up or down
- Provides realistic indication of effects of turbulence, flaps, elevator trim and gear (ATC-610's) on aircraft attitudes
- "Real-time" response to all inputs with students getting a clear understanding of relationships between instrument panel indicators and actual aircraft attitudes . . . in complete safety
- Meets FAA Part 141 approval for Private Pilot and Commercial ratings for maximum cost effectiveness in simulator utilization



ATC 
ANALOG TRAINING COMPUTERS

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